

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/037241

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/00 C07K16/46 C12N15/13 C12N15/63 C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/09351 A (IDEC PHARMACEUTICALS CORPORATION) 13 March 1997 (1997-03-13) the whole document	1-37
Y	WO 96/40878 A (IDEC PHARMACEUTICALS CORPORATION) 19 December 1996 (1996-12-19) the whole document	1-37
Y	WO 93/02108 A (IDEC PHARMACEUTICALS CORPORATION) 4 February 1993 (1993-02-04) the whole document	1-37
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

27 May 2005

Date of mailing of the international search report

09/06/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>REDDY M P ET AL: "Elimination of Fc receptor-dependent effector functions of a modified IgG4 monoclonal antibody to human CD4."</p> <p>JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 FEB 2000, vol. 164, no. 4, 15 February 2000 (2000-02-15), pages 1925-1933, XP002329563 ISSN: 0022-1767 figure 1</p>	1-37
Y	<p>LEWIS A P ET AL: "CLONING AND SEQUENCE ANALYSIS OF KAPPA AND GAMMA CYNOMOLGUS MONKEY IMMUNOGLOBULIN CDNAS"</p> <p>DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY, PERGAMON PRESS, US, vol. 17, no. 6, November 1993 (1993-11), pages 549-560, XP001070429 ISSN: 0145-305X the whole document</p>	1-37
A	<p>NAKAMURA TAKEHIKO ET AL: "In vitro IgE inhibition in B cells by anti-CD23 monoclonal antibodies is functionally dependent on the immunoglobulin Fc domain"</p> <p>INTERNATIONAL JOURNAL OF IMMUNOPHARMACOLOGY, vol. 22, no. 2, February 2000 (2000-02), pages 131-141, XP002329564 ISSN: 0192-0561 the whole document</p>	
A	<p>SAMUELSSON ASTRID ET AL: "Chimeric macaque/human Fab molecules neutralize simian immunodeficiency virus"</p> <p>VIROLOGY, vol. 207, no. 2, 1995, pages 495-502, XP002329565 ISSN: 0042-6822 the whole document</p>	
A	<p>ANDRIS JENNIFER S ET AL: "Variable region gene segment utilization in rhesus monkey hybridomas producing human red blood cell-specific antibodies: Predominance of the VH4 family but not VH4-21 (V4-34)"</p> <p>MOLECULAR IMMUNOLOGY, vol. 34, no. 3, 1997, pages 237-253, XP002329566 ISSN: 0161-5890 the whole document</p>	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 29 to 31 are directed to a method of evaluating the effects of an antibody, they encompass a method of treatment of the animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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